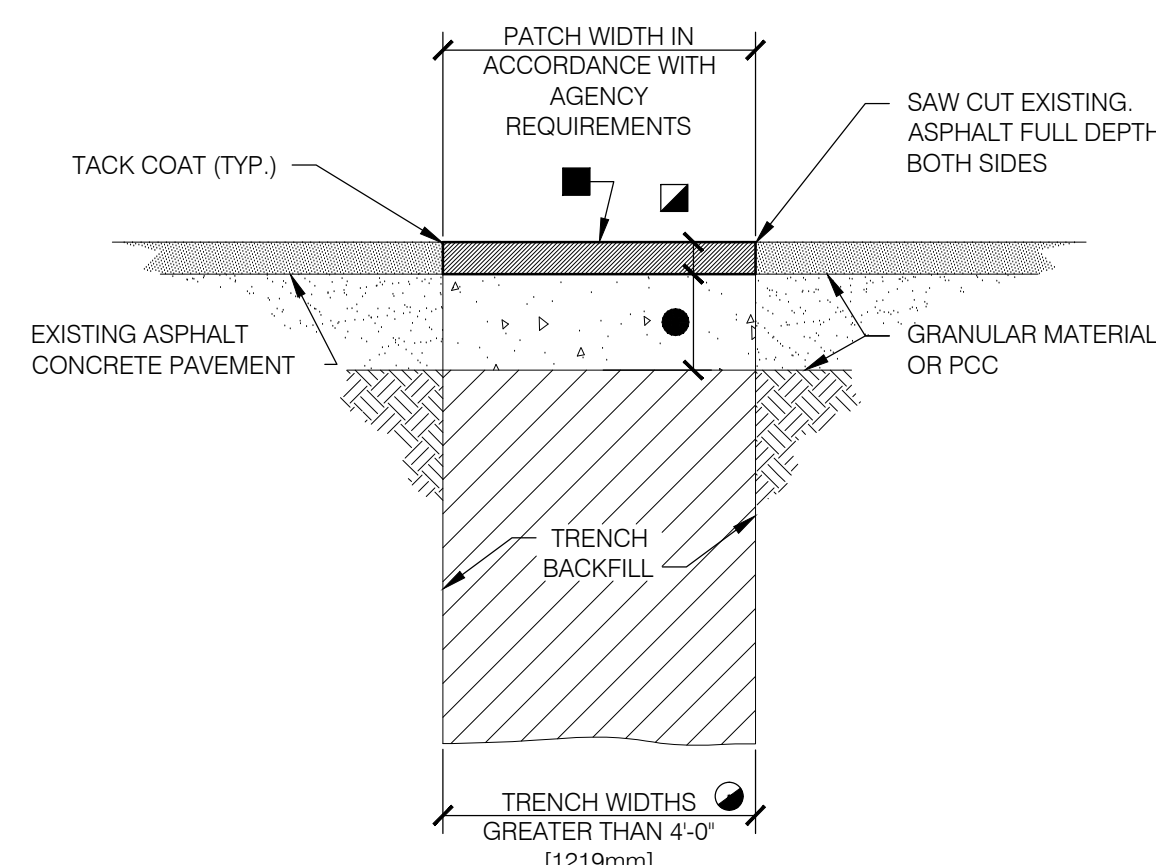


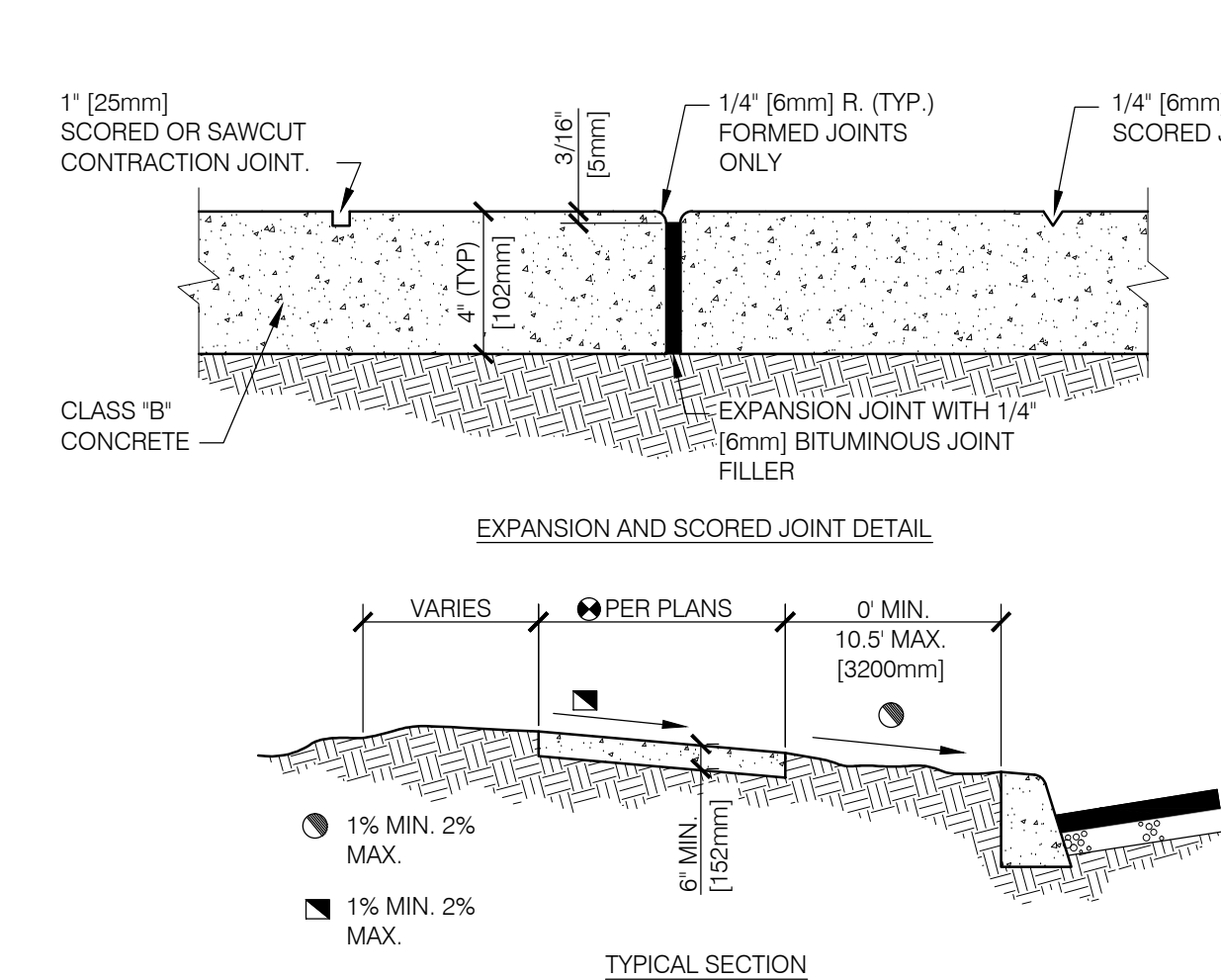
- 1 TREE PROTECTION BARRIERS DETAIL**
NTS



- FOR TRENCH WIDTHS ≥ 12 [182mm] OR LESS REFER TO VA STANDARD DETAIL 32 12 16-04 "UTILITY TRENCH PAVEMENT PATCH"
 - FOR TRENCH WIDTHS ≥ 12 [182mm] OR LESS REFER TO VA STANDARD DETAIL 32 12 16-04 "UTILITY TRENCH PAVEMENT PATCH"
 - FOR TRENCH WHERE PORTLAND CEMENT CONCRETE (PCC) PAVEMENT EXISTS, REFER TO 32 12 16-03 THICKNESS 3 UTILITY TRENCH PATCH.
- ☒ 2' [50mm] MINIMUM OR THICKNESS OF EXISTING PAVEMENT WHICHEVER IS GREATER
- ☐ BITUMINOUS SURFACE TREATMENT (CHIPSEAL) REQUIRED ONLY FOR LONGITUDINAL TRENCHES WITH WIDTHS GREATER THAN 4' [182mm].
- 4' [100mm] MINIMUM ABC OR THICKNESS OF EXISTING GRANULAR BASE COURSE MATERIALS (E.G. ABC & SELECT MATERIAL) WHICHEVER IS GREATER
- PORTLAND CEMENT CONCRETE (PCC) THICKNESS EQUAL TO EXISTING
- REFER TO VA STANDARD DETAIL 32 12 16-04 "UTILITY TRENCH PAVEMENT PATCH NOTES" FOR ADDITIONAL INFORMATION.

3 TYPE 1 UTILITY TRENCH PATCH

4 TYPE 2 UTILITY TRENCH PATCH



- NOTES:
1. EXPANSION JOINTS SHALL BE LOCATED WHERE SIDEWALK ADJUTS CONCRETE DRIVEWAYS, CURB OR OTHER ADJACENT STRUCTURES.
 2. ONE-HALF INCH BITUMINOUS JOINT FILLER SHALL BE INSTALLED AT EXPANSION JOINT LOCATIONS AND SHALL EXTEND THE FULL DEPTH OF THE CONCRETE.
 3. 1" DEEP CONTRACTION JOINTS SHALL BE PLACED AT INTERVALS OF APPROXIMATELY 15' (4572mm) OR AT A SPACING THAT MATCHES THE ADJACENT CURB.
 4. FORMED CONTRACTION JOINTS SHALL BE FINISHED WITH A TOOL HAVING A 1/4" (6mm) RADIUS.
 5. SCORED JOINTS SHALL BE 1/4" (6mm) DEEP AND PLACED AT THE SPACING INDICATED FOR THE WIDTH OF SIDEWALK OR MATCH SCORED JOINTS OF ADJACENT CURB.
 6. CONCRETE SHALL BE FINISHED BY MEANS OF A FLOAT, STEEL TROWELLED AND BROOMED WITH A FINE BRUSH IN A TRANSVERSE DIRECTION.
 7. 1/4" DEEP SCORED JOINTS (TYP) SPACED AT 8' (2489mm) OR EQUAL TO SIDEWALK WIDTH.

5 CONCRETE SIDEWALK
NTS

 **Cardno
TBE**
380 Park Place Blvd., Suite 300, Clearwater, Florida 33759
www.cardnotbe.com - 727.531.3505
Certificate of Authorization No. 3843

ARCHITECT/ENGINEERS:

ELLERBE BECKET

VOA/ELLERBE BECKET, LLC
4798 NEW BROAD ST.
SUITE 100
ORLANDO, FL 32814

Drawing Title
**GENERAL NOTES
AND DETAILS**

Approved: Project Director

GENERAL UTILITY NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO VA FEDERAL STANDARDS AND CITY OF ST. PETERSBURG UTILITY STANDARDS, SPECIFICATIONS, ORDINANCES AND REGULATIONS. POTABLE AND GRAY WATER CONNECTIONS FROM THE DOWNSTREAM SIDE OF BACKFLOW PREVENTORS TO BUILDING MUST COMPLY WITH FBC-PLUMBING VOLUME, LATEST EDITION.
2. ALL WATER AND SANITARY SEWER MAINS SHALL HAVE A MINIMUM OF 30 FEET COVER OR MORE BELOW PROPOSED GRADE (UNLESS OTHERWISE NOTED ON PLANS).
3. CONFLICTS BETWEEN WATER AND STORM, SANITARY SEWER AND UNDERDRAIN SYSTEMS ARE TO BE RESOLVED BY ADJUSTING WATER LINES AS NECESSARY UPON APPROVAL BY OWNER AND OWNERS ENGINEER IN COMPLIANCE WITH THE REQUIREMENTS OF ENVIRONMENTAL PROTECTION HORIZONTAL AND VERTICAL SEPARATION REQUIREMENTS. BUILDING CONNECTIONS OF WATER AND SEWER SHALL COMPLY WITH FBC PLUMBING SECTION #603.2. LATEST EDITION.
4. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PUBLIC AGENCY(IES) PRIOR TO COMMENCING WORK WITHIN THEIR JURISDICTION(S). THE CONTRACTOR SHALL GIVE WRITTEN NOTICE TO ALL AFFECTED CUSTOMERS A MINIMUM OF 24 HOURS IN ADVANCE OF ANY AND ALL WORK REQUIRING DISRUPTION OF SERVICE. INTENDED DISRUPTIONS SHALL BE INDICATED ON ONE SIDE OF THE SEWER OR FORCE MAIN AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 6 INCHES ABOVE THE TOP OF THE SEWER. WHERE IT IS NOT POSSIBLE TO MAINTAIN A VERTICAL DISTANCE OF 18 INCHES IN PARALLEL INSTALLATIONS, THE WATER MAIN SHALL BE CONSTRUCTED OF DIP AND THE SEWER OR THE FORCE MAIN SHALL BE CONSTRUCTED OF DIP. BOTH THE SEWER AND WATER MAIN SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE (DIP) AT CROSSING. (DIP IS NOT REQUIRED FOR STORM SEWERS IF IT IS NOT AVAILABLE IN THE SIZE PROVIDED / ALSO, A SANITARY SEWER OR FORCE MAIN MAY BE C900 PVC AT THE CROSSING). SUFFICIENT CLEARANCE OF DIP SHALL BE MAINTAINED AT THE MINIMUM SEPARATION OF 7 FEET BETWEEN ANY TWO JOINTS. ALTERNATIVELY, ONE OF THE CROSSING MAINS SHALL BE ENCLOSED WITHIN A 20 FOOT LONG STEEL OR PVC CASING LOCATED ON THE CROSSING, WHERE WATER MAINS CROSSES BELOW SEWER MAIN, THE POINT OF ENCLOSURE SHALL BE MAINTAINED WITHIN 20 FEET OF THE CROSSING. JOINTS OF THE CROSSING MUST BE LEAK FREE AND MECHANICALLY RESTRAINED. A MINIMUM VERTICAL CLEARANCE OF 6 INCHES MUST BE MAINTAINED AT THE CROSSING. ALL CROSSINGS SHALL BE ARRANGED SO THAT THE SEWER PIPE JOINTS AND THE WATER MAIN JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING PIPES AND JOINTS ON THE SAME LINE. THE CROSSING SHALL BE CONSTRUCTED OF DIP AND THE CROSSING SHALL BE ARRANGED TO MEET THE REQUIREMENTS ABOVE.

SAFETY NOTES

- | | |
|---|--|
| <p>4. DURING THE CONSTRUCTION AND/OR MAINTENANCE OF THIS PROJECT, ALL SAFETY REGULATIONS ARE TO BE ENFORCED. THE CONTRACTOR OR HIS REPRESENTATIVE SHALL BE RESPONSIBLE FOR THE CONTROL AND SAFETY OF THE TRAVELING PUBLIC AND THE SAFETY OF HIS PERSONNEL. LABOR SAFETY REGULATIONS SHALL CONFORM TO THE PROVISIONS SET FORTH BY OSHA IN THE FEDERAL REGISTER OF THE DEPARTMENT OF TRANSPORTATION.</p> | <p>OWNING UTILITY SPECIFICATIONS AND DETAILS.</p> |
| <p>5. DETECTABLE WARNINGS AT HAZARDOUS VEHICULAR AREAS WITHIN THE BOUNDARIES OF THE SITE MUST COMPLY WITH FLORIDA BUILDING CODE (FBC) 11-4.29.5.</p> | <p>13. ALL TEMPORARY BLOWOFFS ARE TO BE REMOVED AFTER SATISFACTORY BACTERIAL TESTING IS COMPLETED AND THE CONNECTION IS MADE TO THE EXISTING WATER MAIN.</p> |
| <p>6. THE MINIMUM STANDARDS AS SET FORTH IN THE CURRENT EDITION OF THE STATE OF FLORIDA, MANUAL ON TRAFFIC CONTROL AND SAFE PRACTICES FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS SHALL BE FOLLOWED IN THE DESIGN APPLICATION, INSTALLATION, MAINTENANCE, AND REMOVAL OF ALL TRAFFIC CONTROL DEVICES, WARNING DEVICES, AND BARRIERS NECESSARY TO PROTECT THE PUBLIC AND WORKMEN FROM HAZARDS WITHIN THE PROJECT LIMITS.</p> | <p>14. ALL WATER MAINS MUST BE FLUSHED AND DETERMINED TO BE BACTERIOLOGICALLY CLEARED BEFORE CONNECTIONS ARE MADE TO THE PROPOSED WATER DISTRIBUTION SYSTEM.</p> |
| <p>7. ALL TRAFFIC CONTROL MARKINGS AND DEVICES SHALL CONFORM TO THE PROVISIONS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES PREPARED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION AND/OR THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS, LATEST EDITION.</p> | <p>15. THE LOCATIONS AND SIZE OF THE UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. FURTHER, THERE IS NO GUARANTEE THAT ALL EXISTING FACILITIES HAVE BEEN FOUND OR SHOWN. THE CONTRACTOR IS FOREWARNED TO ASCERTAIN AND DETERMINE PRECISE LOCATIONS PREPARATORY TO EXCAVATING AND ALSO FAMILIARIZE THEMSELVES WITH ALL VOLTAGES CARRIED IN OVERHEAD OR UNDERGROUND UTILITY SERVICES. NO CLAIM FOR EXTRA COST SHALL BE MADE AGAINST THE OWNER OR ENGINEER AS A RESULT OF THE AFOREMENTIONED APPROXIMATIONS. THE CONTRACTOR SHALL LOCATE EXACTLY ALL UTILITIES THAT CROSS THE PROPOSED UTILITIES PRIOR TO CONSTRUCTION.</p> |
| <p>8. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY AND ENFORCE ALL APPLICABLE SAFETY REGULATIONS. THE ABOVE INFORMATION HAS BEEN PROVIDED FOR THE CONTRACTORS INFORMATION ONLY AND DOES NOT IMPLY THAT THE OWNER OR ENGINEER WILL INSPECT AND/OR ENFORCE SAFETY REGULATIONS.</p> | <p>16. ALL WATER SERVICES UNDER PAVEMENT SHALL BE INSTALLED IN 4" PVC CONDUIT AND RUN 5' EACH SIDE OF PAVEMENT. WATER SERVICE CONDUITS SHALL BE PLUGGED, MARKED AT GRADE AND "3M" MARKERS PLACED AT EACH END. CONTRACTOR SHALL INSTALL WATER SERVICE FROM MAIN TO WITHIN 5' OF BUILDINGS. A "3M" MARKER SHALL BE PLACED AT CONNECTIONS TO WATER MAIN.</p> |
| | <p>17. ALL UTILITIES (INCLUDING STORMWATER FACILITIES) SHALL BE KEPT IN OPERATION EXCEPT WITH THE EXPRESS WRITTEN CONSENT OF THE UTILITY OWNER AND VA. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PRESERVE EXISTING UTILITIES AND ANY DAMAGE TO UTILITIES AS A RESULT OF THE CONTRACTORS ACTIONS SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.</p> |
| | <p>18. EXISTING SUBSURFACE UTILITY HORIZONTAL ALIGNMENTS WERE ESTABLISHED THROUGH THE USE OF AVAILABLE RECORDS AND THEREFORE, ARE SHOWN IN THESE APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL NOTIFY THE RESPECTIVE UTILITY COMPANIES AND/OR VA BY 9:00 AM ENGINEERING NO LATER THAN 48 HOURS PRIOR TO COMMENCING WORK IN A SPECIFIC AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IDENTIFICATION OF EXISTING UTILITIES AND LOCATIONS UNDER THE PAVEMENT.</p> |

CLEARING AND DEMOLITION NOTES:

1. CONTRACTOR TO DOCUMENT ALL EXISTING CONDITIONS IN ORDER TO RESTORE ALL PAVEMENT, PARKING, CURBING, LANDSCAPING, MULCH, SODDING, UTILITIES, AND ALL OTHER FEATURES BACK TO ORIGINAL CONDITIONS ONCE MODULAR VILLAGE IS REMOVED AT NO ADDITIONAL COST TO THE VA.
2. CONTRACTOR TO PROTECT ALL EXISTING UTILITIES ASSURING THAT EXISTING SERVICES ARE MAINTAINED DURING CONSTRUCTION, ANY DISRUPTION TO UTILITY SERVICES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. COORDINATE WITH OWNER AND ENGINEERS ACCORDINGLY.
3. EXISTING FACILITIES AND FINISHES SHALL BE RESTORED TO A CONDITION EQUIVALENT TO THAT WHICH EXISTED PRIOR TO COMMENCEMENT OF CONSTRUCTION AT NO ADDITIONAL COST TO THE VA.
4. CONTRACTOR SHALL COORDINATE REMOVAL AND RELOCATION OF ALL EXISTING UTILITIES SO AS TO ENSURE CONTINUOUS UNINTERRUPTED SERVICE OF WATER, SANITARY SEWER, IRRIGATION, AND COMMUNICATION.
5. THE ELECTRICAL BOX WITHIN THE SITE SHALL BE FIELD VERIFIED PRIOR TO BEING PLACED OUT OF SERVICE AND REMOVED. VERIFICATION OF SERVICE SHALL BE PROVIDED BY VA BAY PINES.
6. CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF SITE LIGHTING AND COORDINATE THEIR REMOVAL/REPLACEMENT WITH ENGINEER, PRIOR TO DISTURBANCE.
7. ALL DISTURBED AREAS SHALL BE STABILIZED WITH SOD OR SEED AND MULCH AT A MINIMUM WITHIN LIMITS OF CONSTRUCTION.
8. TREES DESIGNATED TO REMAIN SHALL BE PROTECTED FOR THE TOP, TRUNK, AND ROOT SYSTEM. PROTECTION SHALL BE BARRICAADING WITH 4"x4" POSTS WITH 2"x4" RAILS INSTALLED AT THE DRIP LINE OF THE TREE.
9. REMOVAL OF TREES AND SHRUBS SHALL INCLUDE THE REMOVAL OF ROOTS GREATER THAN 3 INCHES IN DIAMETER TO A DEPTH OF 2 FEET BELOW FINISHED GRADE.
10. CONTRACTOR TO PROVIDE TREE TRIMMING TO ACCOMMODATE MODULAR VILLAGE INSTALLATION IN ACCORDANCE WITH VA REQUIREMENTS.
11. CONTRACTOR SHALL CLEAR AND GRUB MODULAR VILLAGE PROJECT AREA AS NECESSARY TO PREPARE INSTALLATION OF MODULAR VILLAGE AND STRUCTURAL SUPPORTS.

FINAL CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED

Office of
Construction
and Facilities
Management

**Department of
Veterans Affairs**

three inches = one foot

one and one half inches = one foot

one inch = one foot

three quarters inch = one foot

one half inch = one foot

three eighths inch = one foot

one quarter inch = one foot

one eighth inch = one foot

MANHOLE NOTES

- ALL MANHOLES**
1. ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST P.C.U. APPROVED MATERIAL SPECIFICATION MANUAL.
 2. PRECAST MANHOLE SECTIONS SHALL BE MANUFACTURED IN ACCORDANCE WITH THE LATEST EDITIONS OF ASTM C-478 WITH 4000 P.S.I. TYPE II PORTLAND CEMENT.
 3. ALL RISER UNITS SHALL HAVE A MINIMUM HEIGHT OF 12" WITH THE CONCENTRIC CONE SET BETWEEN 8 1/2" AND 14 1/2" BELOW THE BOTTOM OF MANHOLE COVER FRAME.
 4. ALL KEYED JOINTS SHALL BE SEALED WITH TWO CONTINUOUS RINGS OF FLEXIBLE JOINT SEALANT, OR APPROVED SEAL.
 5. ALL INTERIOR AND EXTERIOR MANHOLE SURFACES SHALL BE PREPARED FOR COATING AND COATED IN ACCORDANCE WITH P.C.U. STANDARD SPECIFICATIONS AND APPROVED MATERIAL SPECIFICATIONS. INSIDE COATING OF MANHOLE MAY BE ELIMINATED IF USING P.C.U. APPROVED LINING SYSTEM.
 6. MANHOLE BASE AND BOTTOM SECTION SHALL BE MONOLITHICALLY CAST.
 7. ALL PIPE PENETRATIONS IN MANHOLE SHALL BE PRECAST OR CORE DRILLED.
 8. MANHOLE COVER SHALL BE EQUIPPED WITH AN INFLOW PROTECTOR.
 9. A DROP CONNECTION IS REQUIRED WHERE THE PIPE INVERT IS 2' OR GREATER ABOVE THE MANHOLE INVERT. FOR DROPS 2' OR LESS A FLUME SHALL BE CONSTRUCTED.
 10. ALL MANHOLES 6' IN DIAMETER OR GREATER SHALL REQUIRE THE USE OF A DOUBLE RING AND COVER.
 11. ALL MANHOLES WITH A DEPTH OF 14' OR GREATER SHALL BE DESIGNED FOR ANTI-FLOATATION AND SHALL REQUIRE SUBMITTAL OF CALCULATIONS.
- INSIDE DROP MANHOLES**
12. THERE SHALL BE NO MORE THAN 2 INSIDE DROPS PER MANHOLE.
 13. WHEN USING A 90° BEND ON RISER, IT SHALL BE ROTATED BETWEEN 20 1/2° AND 45° IN THE DIRECTION OF FLOW AND GROUTED INTO BENCH.
 14. ALL FORCE MAIN CONNECTIONS REQUIRE THE USE OF A FORCE MAIN HOOD WITH INSIDE DROP BOWL.
 15. ALL INSIDE DROPS SHALL BE CONSTRUCTED USING P.V.C. SDR-35 PIPE.
- OUTSIDE DROP MANHOLES**
16. OUTSIDE DROP PIPING SHALL BE CONSTRUCTED USING THE SAME MATERIAL AS THE MAIN LINE.

TABLE	
DIA.	FOR PIPES
4'-0"	24" & UNDER
5'-0"	30" & 36" ALL INSIDE DROP AND AIR RELEASE MANHOLES
6'-0"	42" & OVER

1 MANHOLE CONSTRUCTION NOTES
NTS

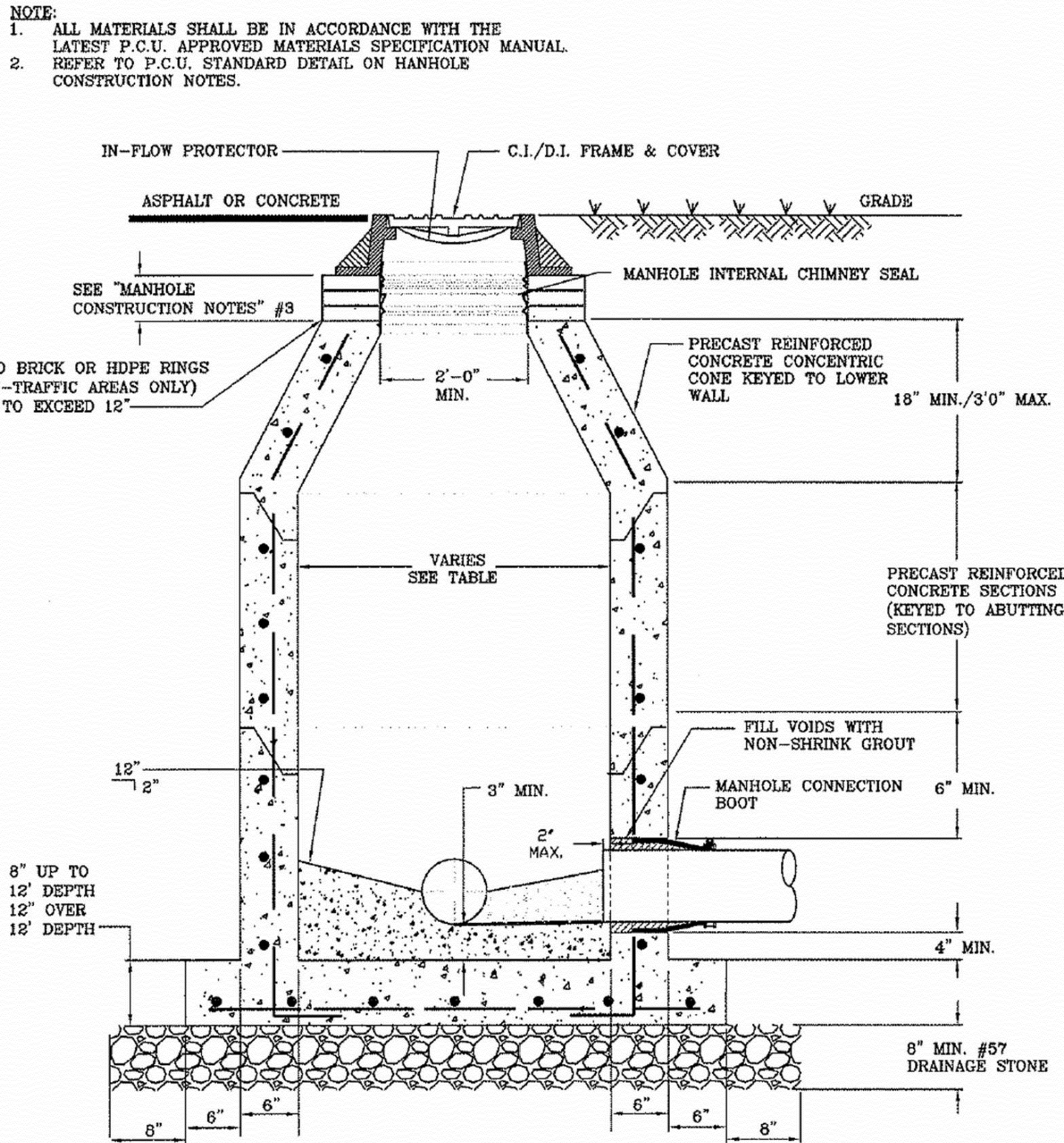
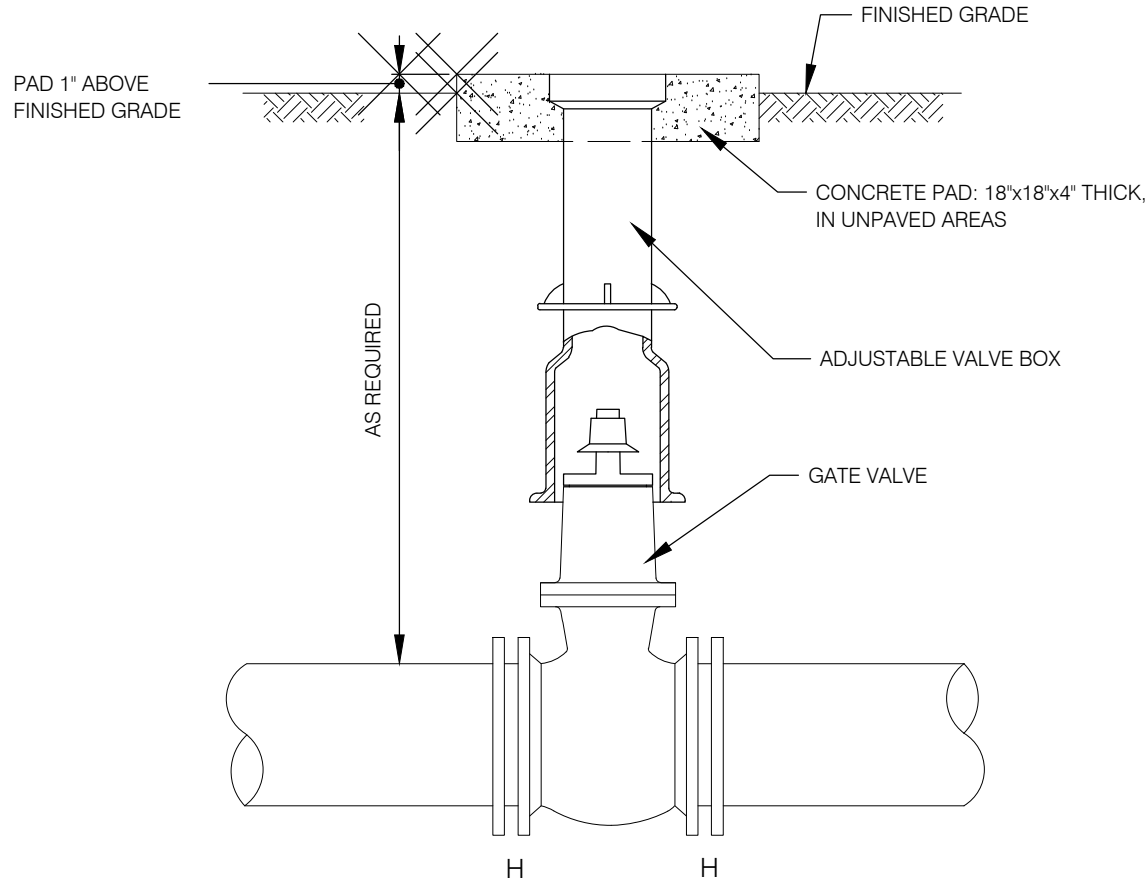


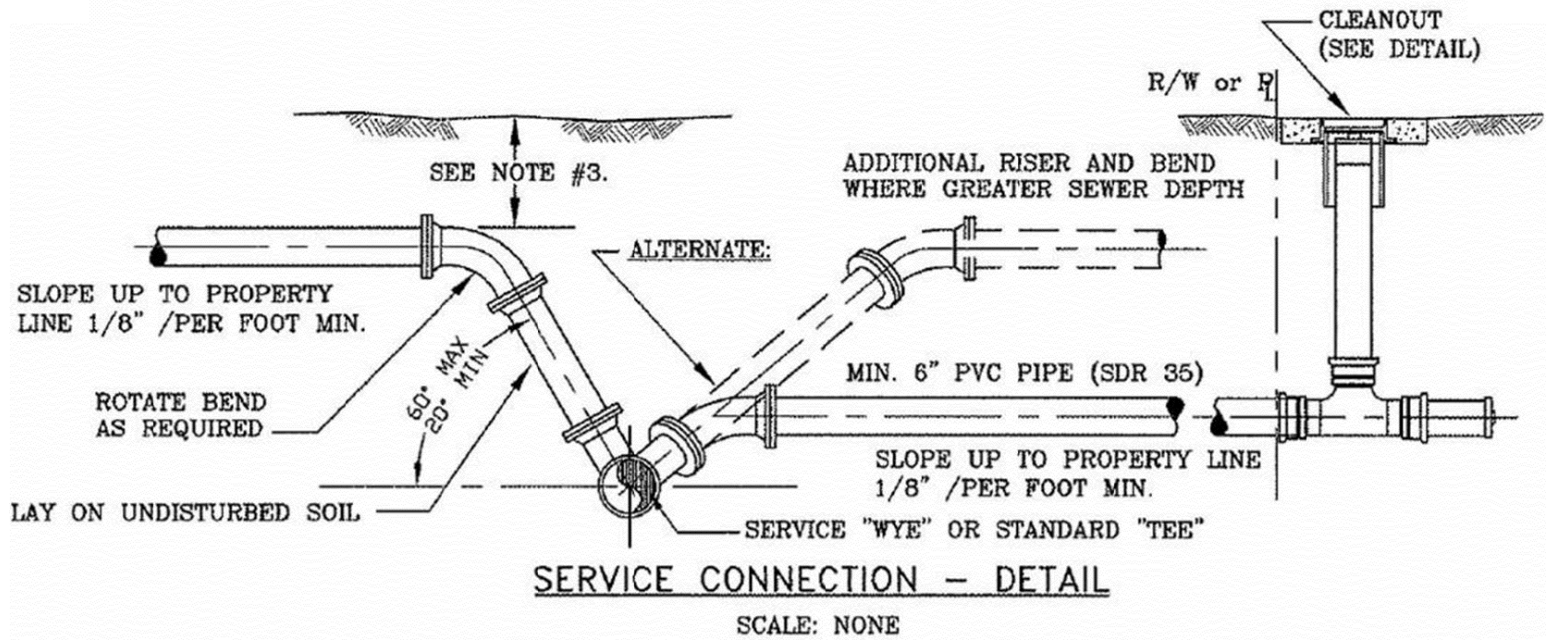
TABLE	
DIA.	FOR PIPES
4'-0"	24" & UNDER
5'-0"	30" & 36" ALL INSIDE DROP AND AIR RELEASE MANHOLES
6'-0"	42" & OVER

2 STANDARD MANHOLE (PRECAST) DETAIL
NTS

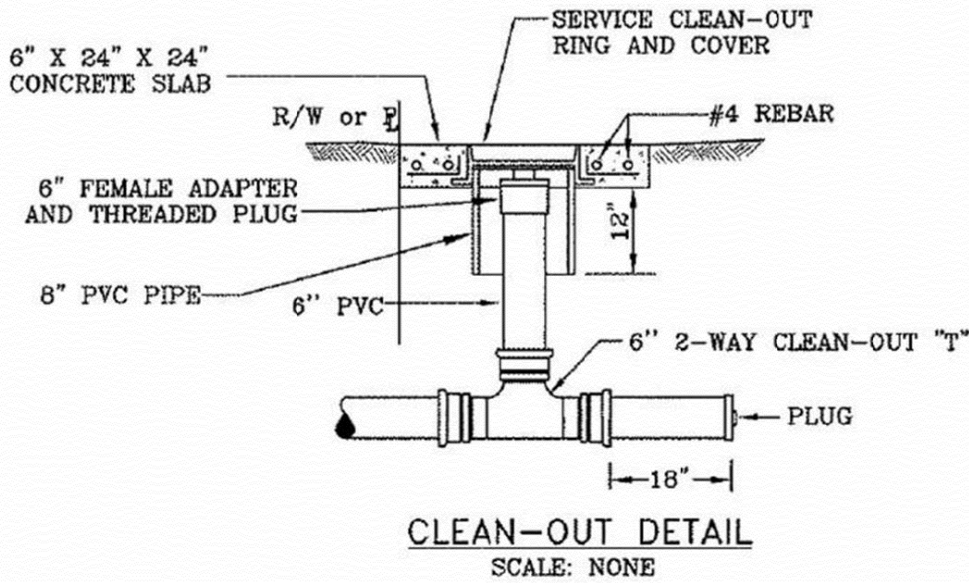


- NOTES:**
1. H = HARNESSSED JOINT, (MECHANICAL JOINT W/ D.I. RETAINER GLAND).
 2. ASSEMBLY AS SHOWN IS FOR A 4" AND LARGER GATE VALVE, TAPPING VALVE, BUTTERFLY VALVE, AND PLUG VALVE ARE SIMILAR.
 3. 2" VALVE, JOINT ENDS SHALL BE THREADED.

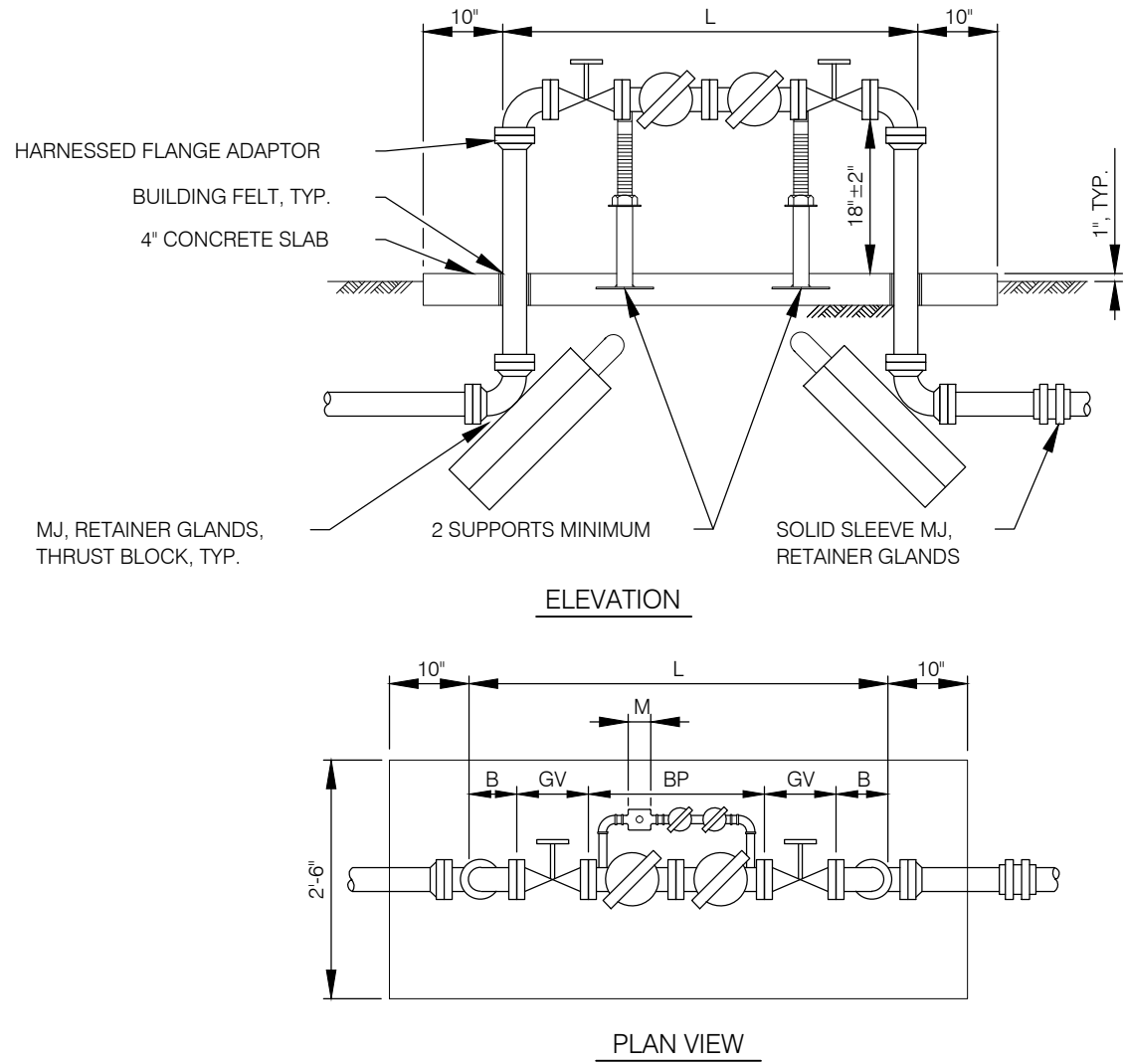
4 VALVE AND VALVE BOX DETAIL
NTS



- NOTE:**
1. ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST P.C.U. APPROVED MATERIAL SPECIFICATION MANUAL.
 2. SERVICE CONNECTIONS MAY NOT HAVE BEEN SHOWN ON PLAN/PROFILE SHEETS. SERVICE CONNECTION LOCATIONS SHALL BE DETERMINED IN THE FIELD AND CONNECTIONS CONSTRUCTED IN ACCORDANCE WITH P.C.U. APPROVED TECHNICAL SPECIFICATIONS, MATERIALS MANUAL & THESE DETAILS. FOR NEW DEVELOPMENT, THE SERVICE CONNECTION SHALL BE CONSTRUCTED IN THE CENTER OF THE LOT.
 3. MINIMUM DEPTH UNDER ROADWAY - 42" MINIMUM DEPTH AT PROPERTY LINE - 36" (OR AS REQUIRED FOR SERVICE).
 4. SERVICE LINES SHALL BE A MIN. OF 6" TO ALL RESIDENCES.
 5. NO DOUBLE WYE UNITS SHALL BE PERMITTED ON SERVICE LINE. ALL RESIDENCES SHALL BE SERVED BY A SINGLE SERVICE.
 6. RISERS SHALL BE INSTALLED ON ALL WYES (BOTH PRESENT & FUTURE SERVICES).
 7. RISERS SHALL PREFERABLY FOLLOW SLOPE OF BANK TO REQUIRED DEPTH.



3 SEWER SERVICE CONNECTION AND CLEAN-OUT
NTS



3" - 10" FIRE FLOW		LEGEND	
Ø	L (MINIMUM)	BP	BACKFLOW PREVENTOR
3"	4'-5"	E	90° THREADED ELBOW
4"	5'-4"	M	DETECTOR METER
6"	6'-4"	Ø	PIPE DIAMETER
8"	7'-4"	GV	CS AND Y GATE VALVE
10"	8'-11"		

5 3" THRU 10" FIRE FLOW BACKFLOW PREVENTOR DETAIL
NTS

FINAL CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED

Revisions:

Date

CONSULTANTS:

380 Park Place Blvd., Suite 300, Clearwater, Florida 33759
www.cardno.com - 727.531.3505
Certificate of Authorization No. 3843

ARCHITECT/ENGINEERS:

ELLERBE BECKET
VOAELLERBE BECKET, LLC
4798 NEW BROAD ST.
SUITE 100
ORLANDO, FL 32814

Drawing Title

GENERAL DETAILS

Approved: Project Director

Project Title

BAY PINES VAMC: INPATIENT & OUTPATIENT IMPROVEMENTS

Location

BAY PINES, FL

Date:

05/31/2013

Checked:

BLZ

Drawn:

JDP

Project Number

516PRO05

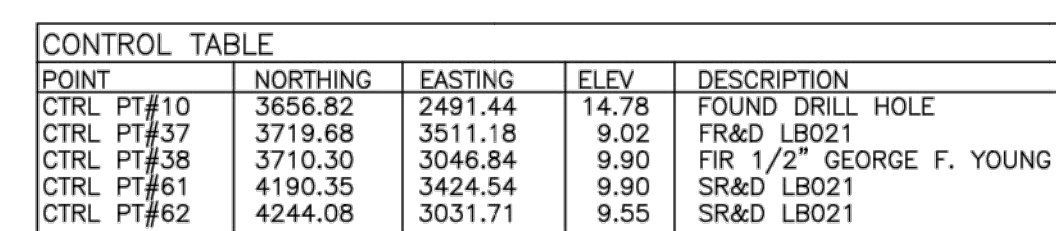
Building Number

1M

Drawing Number

GL1.01

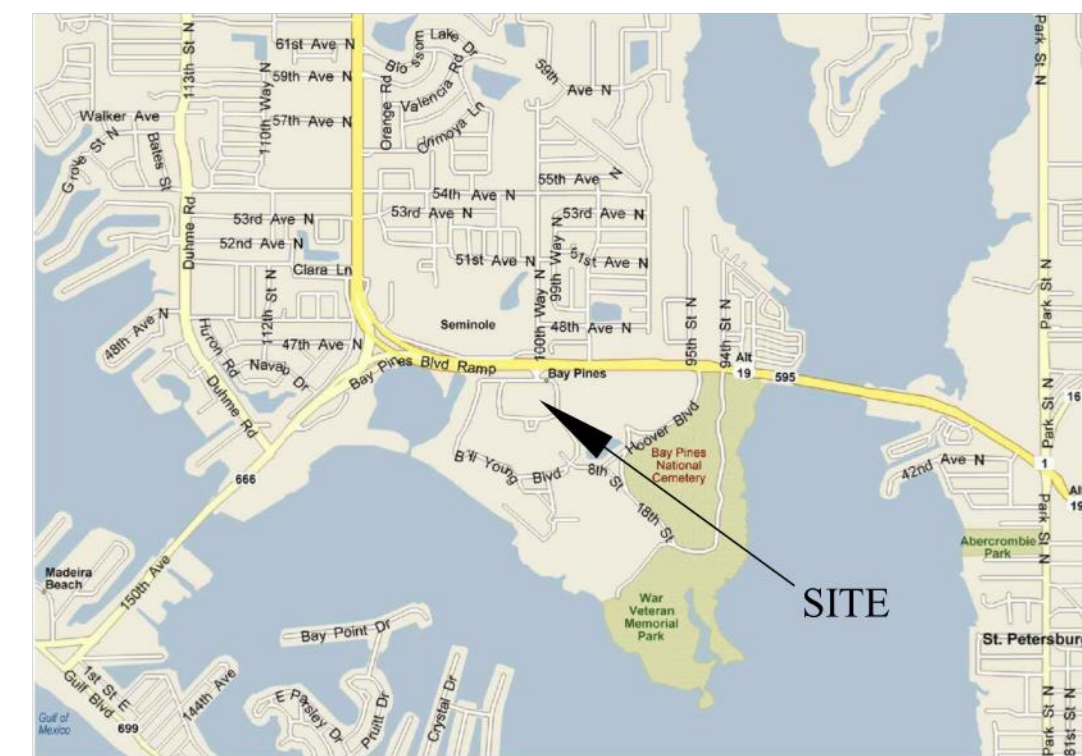
Office of Construction and Facilities Management



VW TABLE						
TEST HOLE	NORTHING	EASTING	SURFACE ELEVATION	MEASURED DOWN	TOP OF UTILITY	DESCRIPTION
VW 101	3816.31	3264.88	8.9	2.7	6.2	8" TRANSITE/JAC - UNKNOWN
VW 102	3828.25	3242.01	8.9	1.5	7.4	2" GALVANIZED STEEL PIPE - IRRIGATION
VW 103	3839.08	3241.55	8.9	2.8	6.1	CENTER OF 4" CONCRETE CAP WITH FOC AND BE
VW 104	3840.65	3237.23	9.0	1.7	7.3	6" TRANSITE/JAC - UNKNOWN
VW 105	3891.84	3243.87	9.9	2.1	6.8	2" GALVANIZED STEEL PIPE - IRRIGATION
VW 106	3890.46	3237.09	9.1	1.3	7.8	2" PVC - IRRIGATION
VW 160	3553.59	3241.00	9.8	3.2	6.6	8" PVC WATER MAIN (BLUE)



































TOPOGRAPHIC SURVEY OF
A portion of VAMC Bay Pines
lying within a portion of Section 2,
Township 31 South, Range 15 East

Pinellas County, Florida



VICINITY MAP - NOT TO SCALE

SYMBOL LEGEND

- | | | | | | | | |
|---|--------------------------------|---|------------------|---|-------------------------------|---|-----------------------------|
|  | TREE WITH TRUNK SIZE |  | BRIGHT HOUSE BOX |  | CLEAN OUT |  | TELEPHONE POLE |
|  | OAK TREE WITH TRUNK SIZE |  | SIGN |  | LIGHT POLE WITH CONCRETE BASE |  | CONCRETE WITH 2" CAPPED PVC |
|  | PALM TREE WITH TRUNK SIZE |  | FLAG POLE |  | ELECTRIC WIRE PULL BOX |  | GAS VALVE COVER |
|  | PINE TREE WITH TRUNK SIZE |  | FLOOD LIGHT |  | ELECTRIC SERVICE |  | RECLAIMED WATER VALVE COVER |
|  | POST |  | ELECTRIC METER |  | WATER VALVE COVER |  | VERIZON WITNESS POST |
|  | SPOT ELEVATION |  | FAUCET |  | DRAINAGE MANHOLE |  | TELEPHONE SERVICE |
|  | BURIED UNKNOWN UTILITY LINE |  | CONCRETE |  | MANHOLE |  | IRRIGATION CONTROL VALVE |
|  | BURIED IRRIGATION CONTROL LINE |  | ASPHALT |  | ELECTRIC MANHOLE |  | WATER METER |
|  | BURIED FIBER OPTIC CABLE |  | ROOFED AREA | | | | |

ABBREVIATION LEGEND

- [illegible]

NOTES:

1. NOT A BOUNDARY SURVEY.
2. GEORGE F. YOUNG, INC. AND THE UNDERSIGNED MAKE NO REPRESENTATIONS OR GUARANTEES PERTAINING TO EASEMENTS, RIGHTS OF WAY, SETBACK LINES, RESERVATIONS, AGREEMENTS AND/OR OTHER MATTERS PERTAINING TO SURVEY.
3. THIS SURVEY PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT OR COMMITMENT FOR TITLE INSURANCE.
4. HORIZONTAL COORDINATE VALUES FOR CONTROL POINTS SHOWN HEREON WERE ESTABLISHED BY UTILIZING INFORMATION PROVIDED TO THE UNDERSIGNED AND APPEAR TO BE ON AN ASSUMED DATUM. SAID INFORMATION CONSISTED OF AN AS-BUILT SURVEY, PROJECT NO. 516-05-303-1, DATED 05/31/07 PREPARED BY MILLS AND ASSOCIATES, INC. AND SHS ASSOCIATES, INC. SURVEY, TOPO AND LANDSCAPE DRAWING, PROJECT NUMBER 516-0530, DATED JULY 2, 1979, PREPARED BY BREVARD ENGINEERING COMPANY. COORDINATE VALUES SHOWN HEREON WERE DERIVED FROM A "BEST FIT" COMPUTATION FROM THESE TWO SOURCES OF INFORMATION.
5. ELEVATIONS SHOWN HEREON REFER TO NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29). BENCHMARK USED WAS "208 FLHD", LOCATED 0.85 MILES WESTERLY OF THE INTERSECTION OF PARK STREET AND U.S. ALT. HWY. 19, HAVING A PUBLISHED ELEVATION OF 141.7 FEET (NGVD 1929). INFORMATION OBTAINED FROM THE NATIONAL GEODETIC SURVEY DATA SHEET, PID AG065, SUBTRACT 0.88 FEET TO CONVERT THESE ELEVATIONS TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
6. THE LOCATION OF TIEPIERS, FOUNDATIONS AND STRUCTURES BENEATH THE GROUND SURFACE HAS NOT BEEN DETERMINED.
7. FORTY-EIGHT (48) HOURS BEFORE DIGGING, BORING, PILE DRIVING, PLANTING, ETC. CALL SUNSHINE STATE ONE CALL SYSTEM, 1-800-432-4770 SO THAT UNDERGROUND UTILITIES MAY BE FIELD SPOTTED.
8. ONLY UTILITIES KNOWN TO THE UNDERSIGNED ARE SHOWN HEREON. ADDITIONAL UTILITIES MAY EXIST.
9. UTILITIES AS SHOWN ARE APPROXIMATE LOCATIONS ONLY - NOT TO BE USED FOR CONSTRUCTION AND NOT TO NECESSARILY INDICATE AVAILABILITY.
10. WATER LINES AND APPURTENANCES SHOWN HEREON ARE AS PER FIELD INSPECTION.
11. SANITARY SEWER LINES AND APPURTENANCES SHOWN HEREON ARE AS PER FIELD INSPECTION.
12. STORM SEWER LINES AND APPURTENANCES SHOWN HEREON ARE AS PER FIELD INSPECTION.
13. RECLAIMED WATER LINES AND APPURTENANCES SHOWN HEREON ARE AS PER FIELD INSPECTION.
14. UTILITIES WERE DESIGNATED HORIZONTALLY VIA ELECTRONIC DESIGNATION EQUIPMENT BETWEEN 3/30/2011 AND 4/4/2011 AND ON 5/8/2013. UTILIZATION OF THIS EQUIPMENT IS THE INDUSTRY RECOGNIZED PROCEDURE FOR FINDING AND LOCATING UNDERGROUND UTILITIES AND FEATURES. ALTHOUGH EFFECTIVE AND RELIABLE, THERE IS THE POSSIBILITY THAT ALL UTILITIES MAY NOT BE DETECTED DUE TO ENVIRONMENTAL CONDITIONS, SOIL CONDITIONS, WATER TABLE, EXCESSIVE DEPTH AND/OR FEATURE MASKUP.
15. AS PER THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) NUMBER 12103C0184G AND 12103C0192G, COMMUNITY NUMBER 125139, PANEL 0184 AND 0192, SUPPLEMENT G, EFFECTIVE DATE OF SEPTEMBER 03, 2003, THE ABOVE DESCRIBED AREA APPEARS TO BE IN ZONE C-A WITH A BASE FLOOD ELEVATION OF 12 FEET (N.A.V.D. "788").
16. SPRINKLER SYSTEM NOT SHOWN HEREON.
17. INTENDED DISPLAY SCALE: "1"=40'.
18. CERTIFICATION IS UNDERSTOOD TO BE AN EXPRESSION OF PROFESSIONAL OPINION BY THE SURVEYOR AND MAPPER BASED ON THE SURVEYOR AND MAPPER'S KNOWLEDGE AND INFORMATION, AND THAT IT IS NOT A GUARANTEE OR WARRANTY, EXPRESSED OR IMPLIED.
19. ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN SIGNING PARTY OR PARTIES ARE PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
20. THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.
21. SOIL BORINGS AND ELEVATIONS SHOWN HEREON WERE OBTAINED ON APRIL 13, 2011 AND WERE NOT VERIFIED ON THIS DATE.

NO.	BY	DATE	DESCRIPTION	NO.	BY	DATE	DESCRIPTION	INITIALS		DATE	PREPARED BY
1	JLS	5/29/13	ADDED HYDRANT, WATER LINE, SANITARY SEWER AND RE-LABELED IRRIGATION LINE	6				CROW	CHET	5/9/13	
2				7				DRAWN	JLS	5/14/13	
3				8				CHECKED	JLS	5/15/13	
4				9				FIELD BOOK			
5				10				FIELD DATE			

VAMC



George F. Young, Inc.

299 DR. MARTIN LUTHER KING JR. STREET, N. ST. PETERSBURG, FLORIDA 33701
PHONE (727) 822-4317 FAX (727) 822-2919
BUSINESS ENTITY LB21
ARCHITECTURE•ENGINEERING•ENVIRONMENTAL•LANDSCAPE•PLANNING•SURVEYING•UTILITY
DESIGN•DESIGN-BUILD
JESVILLE•LAKEWOOD RANCH•ORLANDO•PALM BEACH GARDENS•ST. PETERSBURG•TAMPA

NICHOLAS M. CIRCELLO RSM | S4898

MAY 9, 2013

DATE _____

BAY PINES VA
TOPOGRAPHIC SURVEY

SECTION 2, TOWNSHIP 31S., RANGE 15

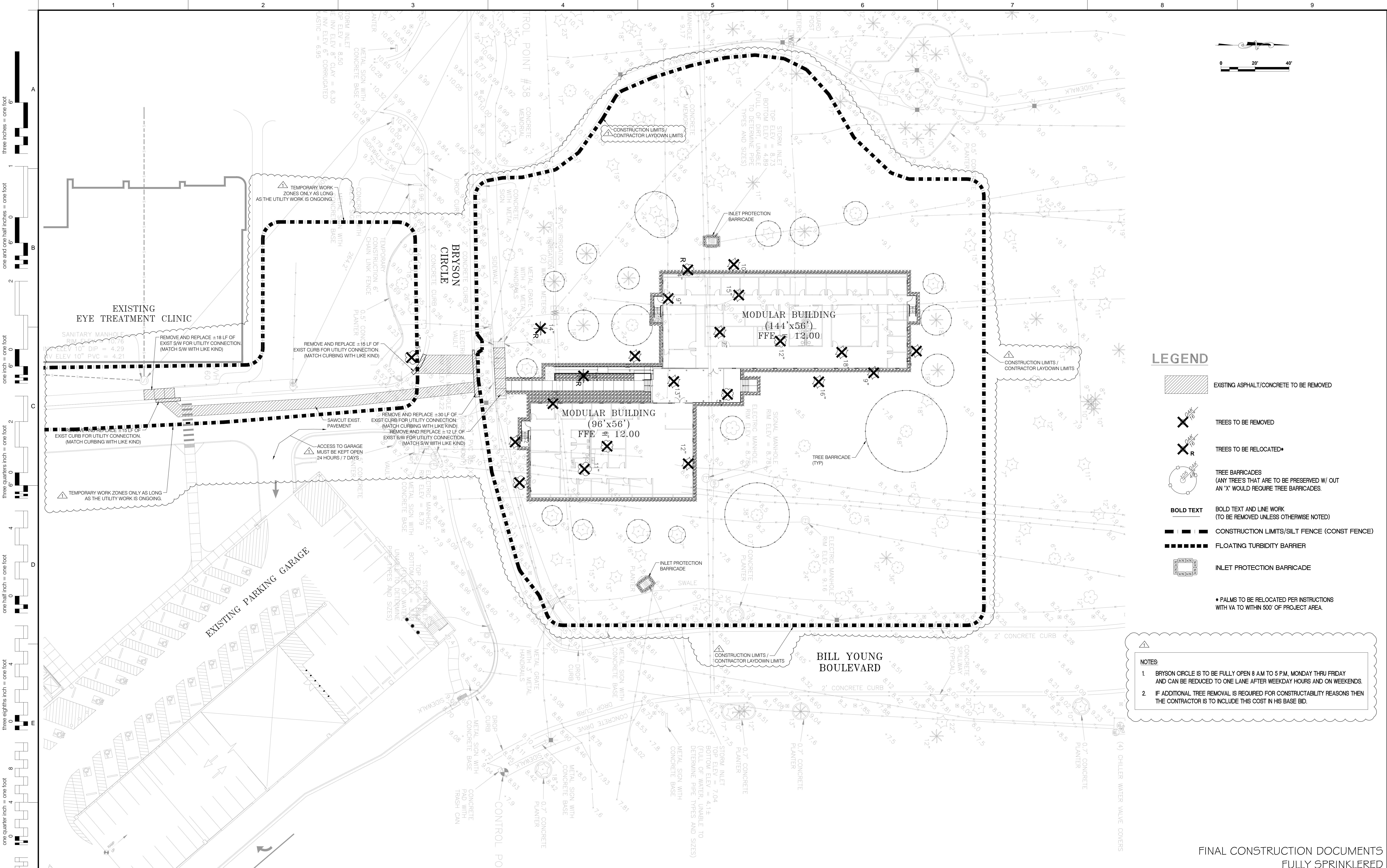
JOB NO.
13010101SS

SHEET NO.

1 OF 1

FINAL CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED

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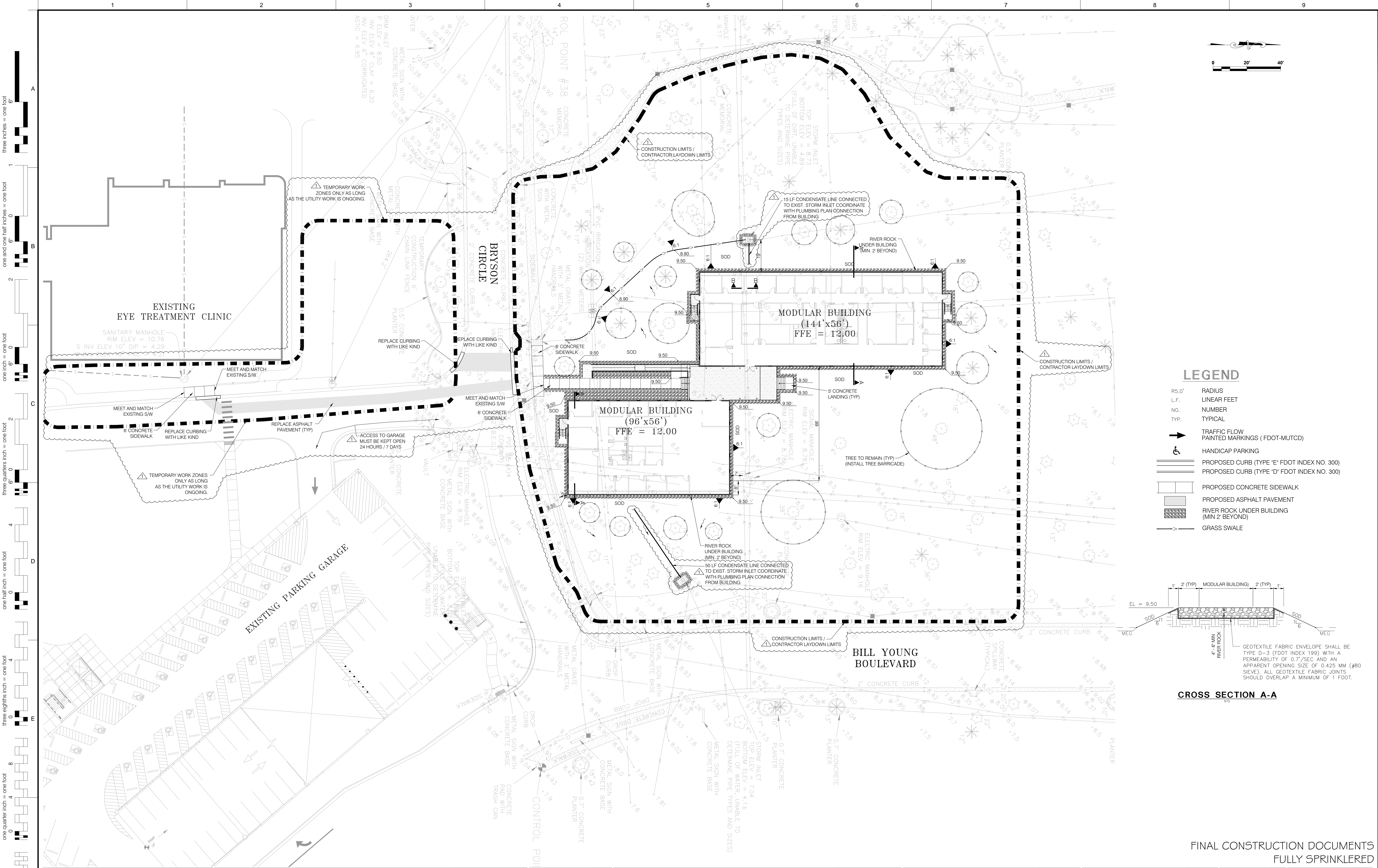
LEGEND

- EXISTING ASPHALT/CONCRETE TO BE REMOVED
- TREES TO BE REMOVED
- TREES TO BE RELOCATED*
- TREE BARRICADES (ANY TREES THAT ARE TO BE PRESERVED W/ OUT AN 'X' WOULD REQUIRE TREE BARRICADES)
- BOLD TEXT** BOLD TEXT AND LINE WORK (TO BE REMOVED UNLESS OTHERWISE NOTED)
- CONSTRUCTION LIMITS/SILT FENCE (CONST FENCE)
- FLOATING TURBIDITY BARRIER
- INLET PROTECTION BARRICADE
- * PALMS TO BE RELOCATED PER INSTRUCTIONS WITH VA TO WITHIN 500' OF PROJECT AREA

NOTES:

1. BRYSON CIRCLE IS TO BE FULLY OPEN 8 AM TO 5 PM, MONDAY THRU FRIDAY AND CAN BE REDUCED TO ONE LANE AFTER WEEKDAY HOURS AND ON WEEKENDS.
2. IF ADDITIONAL TREE REMOVAL IS REQUIRED FOR CONSTRUCTABILITY REASONS THEN THE CONTRACTOR IS TO INCLUDE THIS COST IN HIS BASE BID.

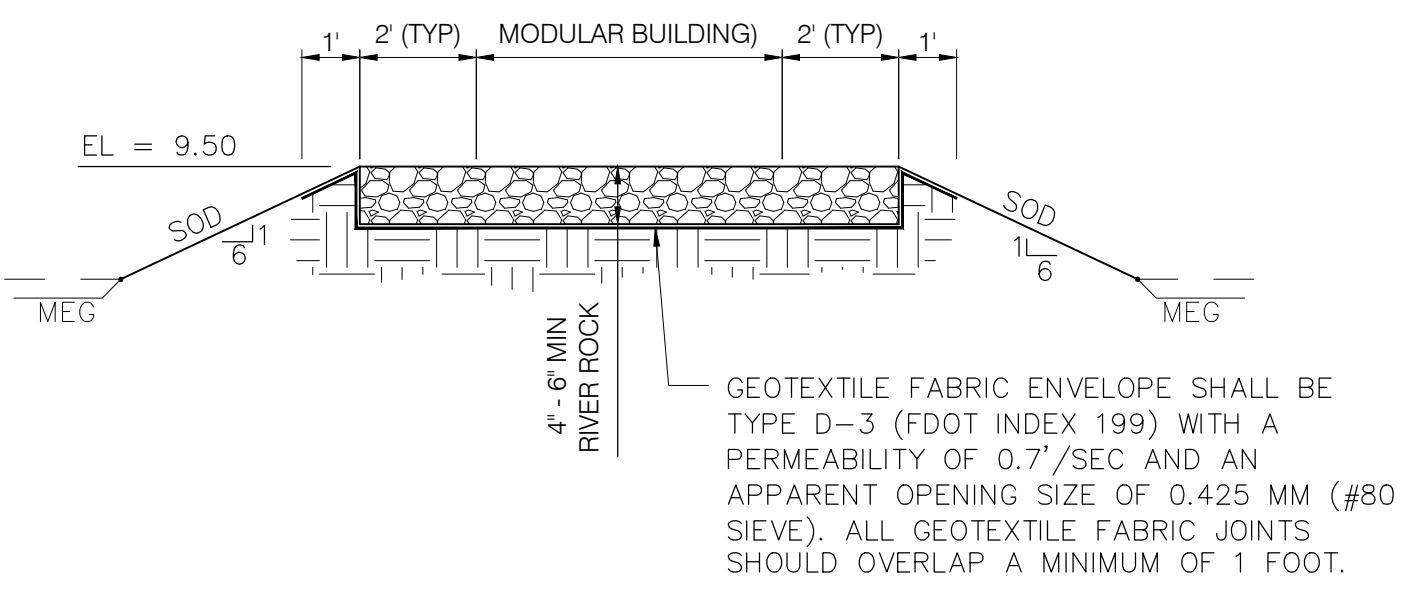
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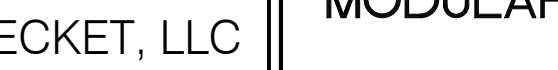

LEGEND

- R5.0' RADIUS
- L.F. LINEAR FEET
- NO. NUMBER
- TYP. TYPICAL
- TRAFFIC FLOW PAINTED MARKINGS (FDOT-MUTCD)
- HANDICAP PARKING
- PROPOSED CURB (TYPE 'E' FDOT INDEX NO. 300)
- PROPOSED CURB (TYPE 'D' FDOT INDEX NO. 300)
- PROPOSED CONCRETE SIDEWALK
- PROPOSED ASPHALT PAVEMENT
- RIVER ROCK UNDER BUILDING (MIN 2' BEYOND)
- GRASS SWALE

CROSS SECTION A-A



FINAL CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED

BID ADDENDUM		6-24-2013	CONSULTANTS:		ARCHITECT/ENGINEERS:		Drawing Title		Project Title		Project Number		Office of Construction and Facilities Management	
Revisions:		Date	 380 Park Place Blvd., Suite 300, Clearwater, Florida 33759 www.cardnothe.com - 727.531.3505 Certificate of Authorization No. 3843		 ELLERBE BECKET VOA/ELLERBE BECKET, LLC 4798 NEW BROAD ST. SUITE 100 ORLANDO, FL 32814		MODULAR STAKING/LAYOUT PLAN MODULAR GRADING PLAN		BAY PINES VAMC: INPATIENT & OUTPATIENT IMPROVEMENTS		516PR005			
							Approved: Project Director		Location BAY PINES, FL		Building Number MV			
									Date: 05/31/2013		Checked BLZ		Drawn JDP	
											Drawing Number CS2.00		 Department of Veterans Affairs	

